



Contribution ID: 38

Type: **Poster**

TES X-ray spectrometer for Shanghai Coherent Light Facility

Thursday, July 25, 2019 6:45 PM (15 minutes)

Shanghai is constructing a soft X-ray and Hard X-ray Coherent Light Facility near to ShanghaiTech, to do Light-element X-ray fluorescence analysis and dilute or radiation sensitive sample measurement, we need develop TES X-ray spectrometer for them. To reach high energy resolution and keep a high flux ability, we prefer a small size TES. However, small size TES may show weak link effect, this make the physics of the TES more complex. We will check the weak link effect on our devises and measure the energy resolution of different magnetic field.

Less than 5 years of experience since completion of Ph.D

Y

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N

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Session Classification: Poster session

Track Classification: Low Temperature Detector Development and Physics